

L Number	Hits	Search Text	DB	Time stamp
1	1	6121266.did.	USPAT; US-PGPUB	2004/02/27 13:30

Day : Friday  
Date: 2/27/2004

Time: 14:09:22

 **PALM INTRANET**

## Inventor Information for 10/668475

Inventor Name	City	State/Country
DOLLE, ROLAND E.	KING OF PRUSSIA	PENNSYLVANIA
HOYER, DENTON W.	EXTON	PENNSYLVANIA
ROSS, TINA MORGAN	AUDUBON	PENNSYLVANIA
RINKER, JAMES M.	READING	PENNSYLVANIA
SCHMIDT, STANLEY J.	CHESTER SPRINGS	PENNSYLVANIA
ATOR, MARK A.	PAOLI	PENNSYLVANIA

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Attorney Docket #

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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPplus records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPplus
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPplus
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS EXPRESS			DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

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10/668,475 Thomas McKenzie

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 13:02:00 ON 27 FEB 2004

=> file reg

FILE 'REGISTRY' ENTERED AT 13:02:10 ON 27 FEB 2004

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STRUCTURE FILE UPDATES: 25 FEB 2004 HIGHEST RN 654632-96-9

DICTIONARY FILE UPDATES: 25 FEB 2004 HIGHEST RN 654632-96-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

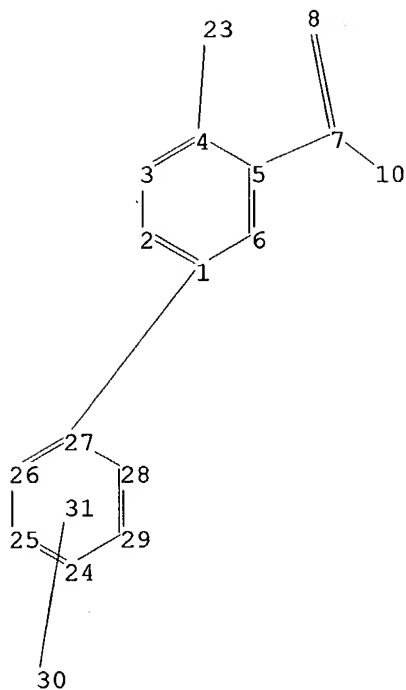
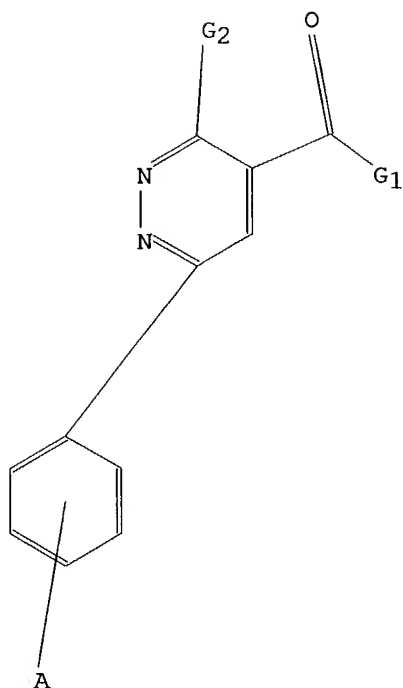
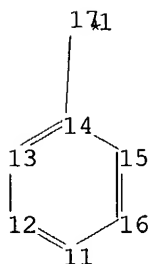
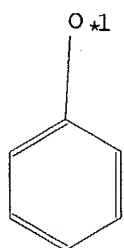
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10668475.str



chain nodes :

7 8 10 17 18 19 23 30

ring nodes :

1 2 3 4 5 6 11 12 13 14 15 16 24 25 26 27 28 29

chain bonds :

1-27 4-23 5-7 7-8 7-10 14-17 18-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16 24-25  
24-29 25-26 26-27 27-28 28-29

exact/norm bonds :

4-23 7-8 7-10 14-17 18-19

exact bonds :

1-27 5-7

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16 24-25  
24-29 25-26 26-27 27-28 28-29

G1:O,N

G2:X,S,P,[\*1],[\*2]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:Atom  
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS  
23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:CLASS 31:CLASS

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 13:02:29 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 22 TO ITERATE

100.0% PROCESSED 22 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 159 TO 721

PROJECTED ANSWERS: 2 TO 124

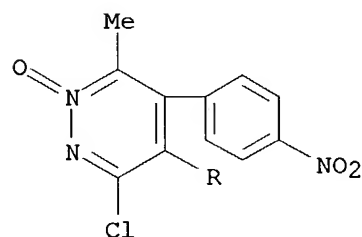
L2 2 SEA SSS SAM L1

=> d scan

L2 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN 4-Pyridazinecarboxamide, 3-chloro-6-methyl-5-(4-nitrophenyl)-N-phenyl-,  
1-oxide (9CI)

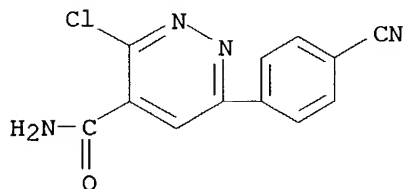
MF C18 H13 Cl N4 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L2 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 4-Pyridazinecarboxamide, 3-chloro-6-(4-cyanophenyl)- (9CI)  
MF C12 H7 Cl N4 O



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s l1 full  
FULL SEARCH INITIATED 13:03:07 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 421 TO ITERATE

100.0% PROCESSED 421 ITERATIONS 117 ANSWERS  
SEARCH TIME: 00.00.01

L3 117 SEA SSS FUL L1

=> file caold  
FILE 'CAOLD' ENTERED AT 13:03:14 ON 27 FEB 2004  
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FILE COVERS 1907-1966  
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGlstrY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s l3  
L4 2 L3

=> d 1-2 all

L4 ANSWER 1 OF 2 CAOLD COPYRIGHT 2004 ACS on STN  
 AN CA62:6480a CAOLD  
 TI synthesis of N-containing heterocycles - (XXXII) syntheses of  
 pyrazolo[3,4-c]-pyridazines  
 AU Dornow, Alfred; Abele, W.  
 IT 271-75-0 1430-22-4 1430-23-5 **1445-53-0**  
**1445-54-1** 1445-55-2 1445-56-3 1933-44-4 2125-84-0  
 2125-85-1 **2125-86-2** **2125-87-3** **2125-88-4**  
 2125-89-5 2125-90-8 2125-91-9 2125-92-0 2125-93-1 2125-94-2  
 2283-61-6 3052-82-2 88526-64-1 88891-82-1 91113-85-8

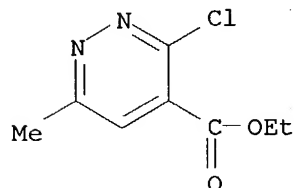
L4 ANSWER 2 OF 2 CAOLD COPYRIGHT 2004 ACS on STN  
 AN CA53:22026b CAOLD  
 TI 6-chloropyridazines  
 PA CIBA Ltd.  
 DT Patent

PATENT NO.	KIND	DATE
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PI GB 807548  
 IT 7083-49-0 **54108-27-9** 93824-72-7 94011-79-7  
**101884-08-6** 107919-08-4

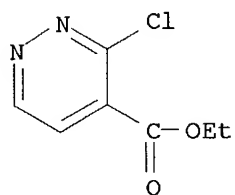
=> d 1-2 all hitstr

L4 ANSWER 1 OF 2 CAOLD COPYRIGHT 2004 ACS on STN  
 AN CA62:6480a CAOLD  
 TI synthesis of N-containing heterocycles - (XXXII) syntheses of  
 pyrazolo[3,4-c]-pyridazines  
 AU Dornow, Alfred; Abele, W.  
 IT 271-75-0 1430-22-4 1430-23-5 **1445-53-0**  
**1445-54-1** 1445-55-2 1445-56-3 1933-44-4 2125-84-0  
 2125-85-1 **2125-86-2** **2125-87-3** **2125-88-4**  
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 2283-61-6 3052-82-2 88526-64-1 88891-82-1 91113-85-8  
 IT **1445-53-0** **1445-54-1** **2125-86-2**  
**2125-87-3** **2125-88-4**  
 RN 1445-53-0 CAOLD  
 CN 4-Pyridazinecarboxylic acid, 3-chloro-6-methyl-, ethyl ester (7CI, 8CI)  
 (CA INDEX NAME)

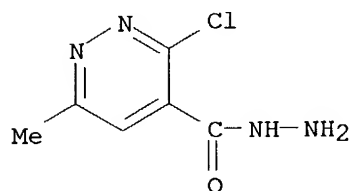


RN 1445-54-1 CAOLD  
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 INDEX NAME)

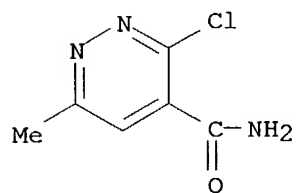




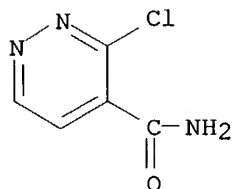
RN 2125-86-2 CAOLD  
CN 4-Pyridazinecarboxylic acid, 3-chloro-6-methyl-, hydrazide (7CI, 8CI) (CA INDEX NAME)



RN 2125-87-3 CAOLD  
CN 4-Pyridazinecarboxamide, 3-chloro-6-methyl- (7CI, 8CI) (CA INDEX NAME)



RN 2125-88-4 CAOLD  
CN 4-Pyridazinecarboxamide, 3-chloro- (7CI, 8CI, 9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 2 CAOLD COPYRIGHT 2004 ACS on STN  
AN CA53:22026b CAOLD  
TI 6-chloropyridazines  
PA CIBA Ltd.  
DT Patent  
PATENT NO. KIND DATE  
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10/668,475 Thomas McKenzie

PI GB 807548

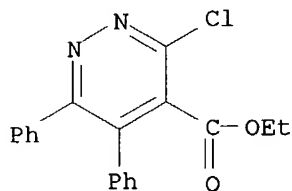
IT 7083-49-0 54108-27-9 93824-72-7 94011-79-7

101884-08-6 107919-08-4

IT 54108-27-9 101884-08-6

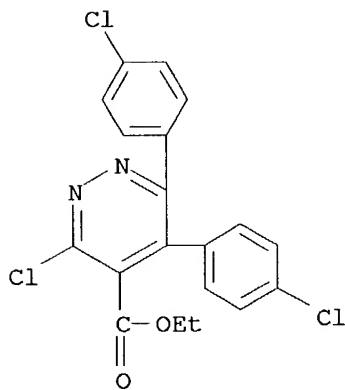
RN 54108-27-9 CAOLD

CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-diphenyl-, ethyl ester (6CI, 9CI) (CA INDEX NAME)



RN 101884-08-6 CAOLD

CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-bis(p-chlorophenyl)-, ethyl ester (6CI) (CA INDEX NAME)



=> file caplus

FILE 'CAPLUS' ENTERED AT 13:04:37 ON 27 FEB 2004

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FILE COVERS 1907 - 27 Feb 2004 VOL 140 ISS 10  
FILE LAST UPDATED: 26 Feb 2004 (20040226/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> s l3

L5 41 L3

=> sort py l5

SORT ENTIRE ANSWER SET? (Y)/N:.

PROCESSING COMPLETED FOR L5

L6 41 SORT L5 PY

=> d 1-20 cbib pi fhistr

'FHISTR' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB  
ALL ----- BIB, AB, IND, RE  
APPS ----- AI, PRAI  
BIB ----- AN, plus Bibliographic Data and PI table (default)  
CAN ----- List of CA abstract numbers without answer numbers  
CBIB ----- AN, plus Compressed Bibliographic Data  
DALL ----- ALL, delimited (end of each field identified)  
DMAX ----- MAX, delimited for post-processing  
FAM ----- AN, PI and PRAI in table, plus Patent Family data  
FBIB ----- AN, BIB, plus Patent FAM  
IND ----- Indexing data  
IPC ----- International Patent Classifications  
MAX ----- ALL, plus Patent FAM, RE  
PATS ----- PI, SO  
SAM ----- CC, SX, TI, ST, IT  
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
SCAN must be entered on the same line as the DISPLAY,  
e.g., D SCAN or DISPLAY SCAN)  
STD ----- BIB, IPC, and NCL  
  
IABS ----- ABS, indented with text labels  
IALL ----- ALL, indented with text labels  
IBIB ----- BIB, indented with text labels  
IMAX ----- MAX, indented with text labels  
ISTD ----- STD, indented with text labels  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations  
  
HIT ----- Fields containing hit terms  
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
containing hit terms  
HITRN ----- HIT RN and its text modification  
HITSTR ----- HIT RN, its text modification, its CA index name, and  
its structure diagram

HITSEQ ----- HIT RN, its text modification, its CA index name, its structure diagram, plus NTE and SEQ fields  
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and its structure diagram  
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its structure diagram, plus NTE and SEQ fields  
 KWIC ----- Hit term plus 20 words on either side  
 OCC ----- Number of occurrence of hit term and field in which it occurs

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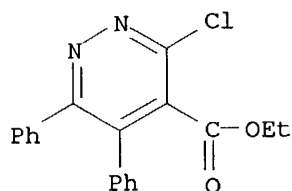
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ENTER DISPLAY FORMAT (BIB): cbib pi fhitrn

L6 ANSWER 1 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1959:122326 Document No. 53:122326 Original Reference No. 53:22026c-d  
 Isotope-tagged 5-ethyl-5-(1-methylbutyl)thiobarbituric acid and its sodium salt. Anorova, G. A.; Shishkov, V. P. SU 118557 19590310 (Unavailable).  
 APPLICATION: SU .

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 118557		19590310	SU	
IT	<b>54108-27-9</b> , 4-Pyridazinecarboxylic acid, 3-chloro-5,6-diphenyl-, ethyl ester (preparation of)				
RN	54108-27-9 CAPLUS				
CN	4-Pyridazinecarboxylic acid, 3-chloro-5,6-diphenyl-, ethyl ester (6CI, 9CI) (CA INDEX NAME)				

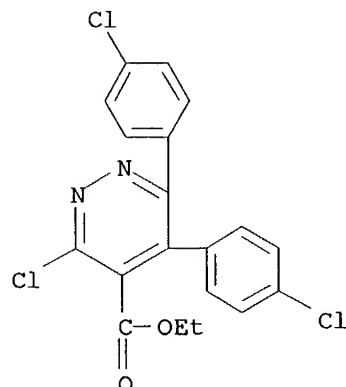


L6 ANSWER 2 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

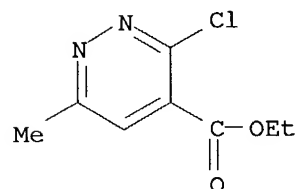
1959:122325 Document No. 53:122325 Original Reference No. 53:22026b-c  
 6-Chloropyridazines. (C I B A Ltd.). GB 807548 19590114 (Unavailable).  
 APPLICATION: GB .

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 807548		19590114	GB	
IT	<b>101884-08-6</b> , 4-Pyridazinecarboxylic acid, 3-chloro-5,6-bis(p-chlorophenyl)-, ethyl ester (preparation of)				
RN	101884-08-6 CAPLUS				

CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-bis(p-chlorophenyl)-, ethyl ester (6CI) (CA INDEX NAME)



L6 ANSWER 3 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1965:36816 Document No. 62:36816 Original Reference No. 62:6480a-f  
 Synthesis of nitrogen-containing heterocycles. XXXII. Syntheses of  
 pyrazolo[3.4-c]pyridazines. Dornow, Alfred; Abele, Werner (Tech.  
 Hochschule, Hannover, Germany). Ber., 97(12), 3349-53 (German) 1964.  
 OTHER SOURCES: CASREACT 62:36816.  
 IT **1445-53-0**, 4-Pyridazinecarboxylic acid, 3-chloro-6-methyl-, ethyl  
 ester  
 (preparation of)  
 RN 1445-53-0 CAPLUS  
 CN 4-Pyridazinecarboxylic acid, 3-chloro-6-methyl-, ethyl ester (7CI, 8CI)  
 (CA INDEX NAME)

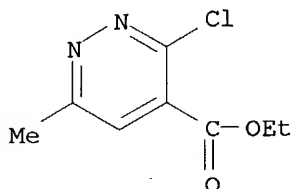


L6 ANSWER 4 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1969:470623 Document No. 71:70623 Coccidiocidal pyridazin-5-yl-methyl-2-  
 picolinium halides. Ramuz, Henri; Spiegelberg, Hans; Abele, Werner;  
 Dornow, Alfred (Hoffmann-La Roche Inc.). U.S. US 3453277 19690701, 5 pp.  
 (English). CODEN: USXXAM. APPLICATION: US 1966-539580 19660401.  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3453277	A	19690701	US 1966-539580	19660401
BE 679422	A	19661013	BE 1966-679422	19660413
NL 6605001	A	19661017	NL 1966-5001	19660414

 IT **1445-53-0P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 1445-53-0 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-6-methyl-, ethyl ester (7CI, 8CI)  
(CA INDEX NAME)

L6 ANSWER 5 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

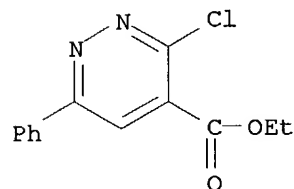
1972:34229 Document No. 76:34229 Syntheses of N-heterocyclic compounds. II. Pyrimido[4,5-e]-, pyridazino[3,4-e]-, and pyrido[4,3-e]-1,2,3,5-tetrahydro[1,4]oxazepin-5-one. Yurugi, Shojiro; Hieda, Masaru; Fushimi, Tomiyoshi; Tomimoto, Mitsumi (Res. Dev. Div., Takeda Chem. Ind., Ltd., Osaka, Japan). Chemical & Pharmaceutical Bulletin, 19(11), 2354-64 (English) 1971. CODEN: CPBTAL. ISSN: 0009-2363.

IT **34750-70-4P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and cycloaddn. reaction of, with ethanolamines)

RN 34750-70-4 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 6 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1974:552256 Document No. 81:152256 3-[(Substituted)amino]-5,6-diphenyl-4-pyridazinecarboxylic acids. Santilli, Arthur A.; Scotese, Anthony C.; Kim, Dong H. (American Home Products Corp.). U.S. US 3836532 19740917, 2 pp. (English). CODEN: USXXAM. APPLICATION: US 1972-302303 19721030.

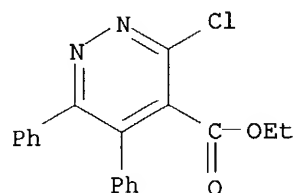
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3836532	A	19740917	US 1972-302303	19721030

IT **54108-27-9P**

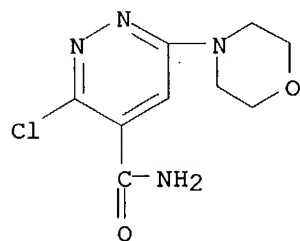
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and reaction with amines)

RN 54108-27-9 CAPLUS

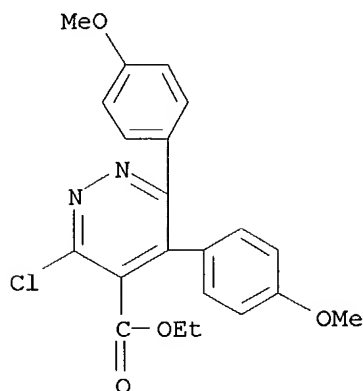
CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-diphenyl-, ethyl ester (6CI, 9CI) (CA INDEX NAME)



L6 ANSWER 7 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1977:601446 Document No. 87:201446 Studies on heterocyclic compounds. XX.  
 The reaction of 4-cyano-3,6-dichloropyridazine with amines. Yanai,  
 Mitsuji; Takeda, Shigeko; Mitsuoka, Tamao (Fac. Pharm. Sci., Nagasaki  
 Univ., Nagasaki, Japan). Chemical & Pharmaceutical Bulletin, 25(7),  
 1708-16 (English) 1977. CODEN: CPBTAL. ISSN: 0009-2363. OTHER SOURCES:  
 CASREACT 87:201446.  
 IT **64613-29-2P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and dechlorination of)  
 RN 64613-29-2 CAPLUS  
 CN 4-Pyridazinecarboxamide, 3-chloro-6-(4-morpholinyl)- (9CI) (CA INDEX  
 NAME)



L6 ANSWER 8 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1979:456936 Document No. 91:56936 Synthesis and pharmacological activity of  
 some 5,6-diphenyl-pyridazines. Nannini, Giuliano; Biasoli, Giovanni;  
 Perrone, Ettore; Forgione, Angelo; Buttinoni, Ada; Ferrari, Mario (Carlo  
 Erba Res. Inst., Milan, 20159, Italy). European Journal of Medicinal  
 Chemistry, 14(1), 53-60 (English) 1979. CODEN: EJMCA5. ISSN: 0009-4374.  
 OTHER SOURCES: CASREACT 91:56936.  
 IT **70769-18-5P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and reactions of)  
 RN 70769-18-5 CAPLUS  
 CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-bis(4-methoxyphenyl)-, ethyl  
 ester (9CI) (CA INDEX NAME)



L6 ANSWER 9 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1986:626078 Document No. 105:226078 Benzoylurea derivatives having antitumor activity. Brouwer, Marius S.; Van Hes, Roelof (Duphar International Research B. V., Neth.). Eur. Pat. Appl. EP 193249 A2 19860903, 31 pp. DESIGNATED STATES: R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1986-200300 19860227. PRIORITY: NL 1985-572 19850301.

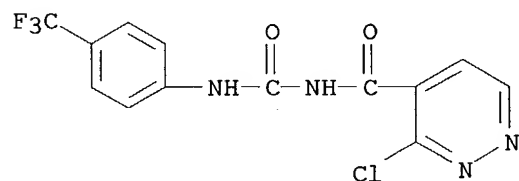
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 193249	A2	19860903	EP 1986-200300	19860227
EP 193249	A3	19880316		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
DK 8600881	A	19860902	DK 1986-881	19860226
AU 8654108	A1	19860904	AU 1986-54108	19860226
AU 601145	B2	19900906		
ZA 8601446	A	19861029	ZA 1986-1446	19860226
ES 552432	A1	19880301	ES 1986-552432	19860226
JP 61218569	A2	19860929	JP 1986-42838	19860301

IT 105390-24-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as antitumor agent)

RN 105390-24-7 CAPLUS

CN 4-Pyridazinecarboxamide, 3-chloro-N-[[4-(trifluoromethyl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



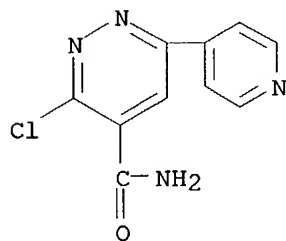
L6 ANSWER 10 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1986:478949 Document No. 105:78949 3-[(Methyl or dimethyl)amino]-6-(pyridinyl)pyridazines and their cardiotonic use. Leshner, George Y.;



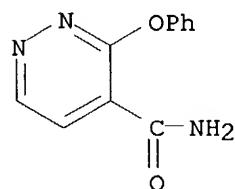
Dickinson, William B. (Sterling Drug Inc., USA). U.S. US 4590194 A 19860520, 7 pp. (English). CODEN: USXXAM. APPLICATION: US 1981-308413 19811005.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4590194	A	19860520	US 1981-308413	19811005
IT	<b>103556-15-6P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and reaction of)				
RN	103556-15-6 CAPLUS				
CN	4-Pyridazinecarboxamide, 3-chloro-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)				



L6 ANSWER 11 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1988:75327 Document No. 108:75327 Pyridazine chemistry. XXXIV. Synthesis of novel diaza analogs of acridone, xanthone and thioxanthone from 3,4-disubstituted pyridazines. Heinisch, Gottfried; Lassnigg, Doris (Inst. Pharm. Chem., Univ. Wien, Vienna, A-1090, Austria). Archiv der Pharmazie (Weinheim, Germany), 320(12), 1222-6 (German) 1987. CODEN: ARPMAS. ISSN: 0365-6233. OTHER SOURCES: CASREACT 108:75327.

IT **112584-71-1P**  
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)  
 RN 112584-71-1 CAPLUS  
 CN 4-Pyridazinecarboxamide, 3-phenoxy- (9CI) (CA INDEX NAME)



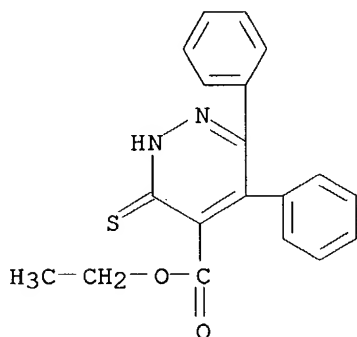
L6 ANSWER 12 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1988:56021 Document No. 108:56021 Syntheses of 4-aryl- and 4-[disubstituted (hydroxymethyl)]pyridazin-3(2H)-ones and their 3-mercapto derivatives: synthesis of 1,3-dithiano[4,5-c]pyridazine as a new ring system. Shams, Nabil A.; Enayat, Ebtisam I.; Shalaby, Alyaa A.; El-Abbady, Samia A. (Fac. Sci., Ain Shams Univ., Cairo, Egypt). Journal fuer Praktische Chemie (Leipzig), 329(2), 271-6 (English) 1987. CODEN: JPCEAO. ISSN: 0021-8383. OTHER SOURCES: CASREACT 108:56021.

IT 112450-33-6

RL: RCT (Reactant); RACT (Reactant or reagent)  
(Grignard reactions of, with alkyl halides)

RN 112450-33-6 CAPLUS

CN 4-Pyridazinecarboxylic acid, 2,3-dihydro-5,6-diphenyl-3-thioxo-, ethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 13 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1988:6047 Document No. 108:6047 Preparation of (heterocyclylpiperazinyl)alka  
nols as antitussives. Giani, Roberto P.; Malandrino, Salvatore; Tonon,  
Giancarlo (Dompe Farmaceutici S.p.A., Italy). Eur. Pat. Appl. EP 230402  
A2 19870729, 24 pp. DESIGNATED STATES: R: AT, BE, CH, DE, ES, FR, GB,  
GR, IT, LI, LU, NL, SE. (English). CODEN: EPXXDW. APPLICATION: EP  
1987-830012 19870116. PRIORITY: IT 1986-19121 19860120.

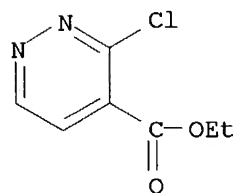
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 230402	A2	19870729	EP 1987-830012	19870116
EP 230402	A3	19890222		
EP 230402	B1	19930421		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4849422	A	19890718	US 1987-4028	19870116
AT 88467	E	19930515	AT 1987-830012	19870116
ES 2056836	T3	19941016	ES 1987-830012	19870116
JP 62169768	A2	19870725	JP 1987-8371	19870119

IT 1445-54-1

RL: RCT (Reactant); RACT (Reactant or reagent)  
(amination of, by (dihydroxypropyl)piperazine)

RN 1445-54-1 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-, ethyl ester (7CI, 8CI, 9CI) (CA INDEX NAME)



L6 ANSWER 14 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1990:478301 Document No. 113:78301 Action of acrylonitrile on 4-cyano- and 4-(carbethoxy)pyridazin-3(2H)-ones and their 3-mercapto derivatives. A novel synthesis of pyrano- and thiinopyridazines. Shams, Nabil A.; Kaddah, Ahmed M.; Enayat, Ebtisam I.; Shalaby, Alyaa A.; Youssef, Ali M. (Fac. Sci., Ain Shams Univ., Cairo, Egypt). Journal fuer Praktische Chemie (Leipzig), 331(5), 757-62 (English) 1989. CODEN: JPCEAO. ISSN: 0021-8383. OTHER SOURCES: CASREACT 113:78301.

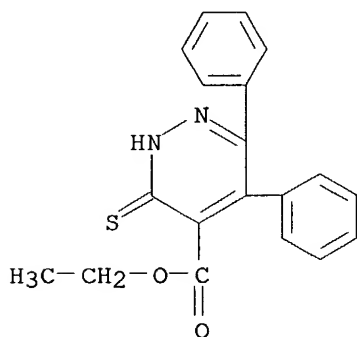
IT **112450-33-6**

RL: RCT (Reactant); RACT (Reactant or reagent)

(addition and cycloaddn. reactions with acrylonitrile and hydrolysis of)

RN 112450-33-6 CAPLUS

CN 4-Pyridazinecarboxylic acid, 2,3-dihydro-5,6-diphenyl-3-thioxo-, ethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 15 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1989:114776 Document No. 110:114776 3-Aminopyridazine derivatives with atypical antidepressant, serotonergic and dopaminergic activities. Wermuth, Camille Georges; Schlewer, Gilbert; Bourguignon, Jean Jacques; Maghioros, Georges; Bouchet, Marie Jeanne; Moire, Claudine; Kan, Jean Paul; Worms, Paul; Biziere, Kathleen (Dep. Pharmacochim. Mol., Univ. Louis Pasteur, Strasbourg, 67084, Fr.). Journal of Medicinal Chemistry, 32(3), 528-37 (English) 1989. CODEN: JMCMAR. ISSN: 0022-2623. OTHER SOURCES: CASREACT 110:114776.

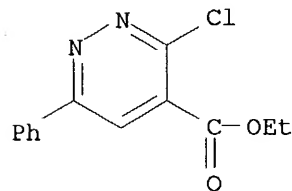
IT **34750-70-4P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and amination and amidation of)

RN 34750-70-4 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



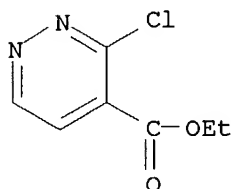
L6 ANSWER 16 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1990:497555 Document No. 113:97555 Pyridazine analogs of biologically active compounds. VI. Pyrido[2,3-c]pyridazines structurally related to nalidixic acid. Boamah, Philip Y.; Haider, Norbert; Heinisch, Gottfried (Inst. Pharm. Chem., Univ. Vienna, Vienna, A-1090, Austria). Archiv der Pharmazie (Weinheim, Germany), 323(4), 207-10 (English) 1990. CODEN: ARPMAS. ISSN: 0365-6233. OTHER SOURCES: CASREACT 113:97555.

IT **1445-54-1**

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (amination of, with propylaminopropionate)

RN 1445-54-1 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-, ethyl ester (7CI, 8CI, 9CI) (CA INDEX NAME)



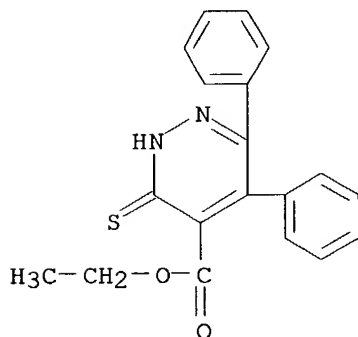
L6 ANSWER 17 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1990:478302 Document No. 113:78302 Reactions of ethyl monohaloacetate and hydrazine hydrate with 4-cyano and 4-carbethoxypyridazin-3(2H)-ones and their 3-mercapto derivatives. Syntheses of furo, thieno and pyrazolo pyridazines. Shalaby, Alyaa A. (Fac. Sci., Ain Shams Univ., Cairo, Egypt). Journal fuer Praktische Chemie (Leipzig), 332(1), 104-8 (English) 1990. CODEN: JPCEAO. ISSN: 0021-8383. OTHER SOURCES: CASREACT 113:78302.

IT **112450-33-6**

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cyclocondensation of, with haloacetate and hydrazine)

RN 112450-33-6 CAPLUS

CN 4-Pyridazinecarboxylic acid, 2,3-dihydro-5,6-diphenyl-3-thioxo-, ethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 18 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

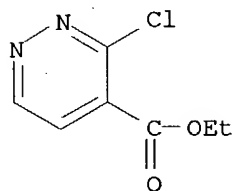
1991:471518 Document No. 115:71518 Pyridazines. LIV. The synthesis of pyridazine-fused S-heterocycles: thieno[2,3-c]pyridazine, pyrimido[4',5':4,5]thieno[2,3-c]pyridazine, and pyridazino[3,4-b][1,4]benzothiazine. Czech, Karin; Haider, Norbert; Heinisch, Gottfried (Inst. Pharm. Chem., Univ. Vienna, Vienna, A-1090, Austria). Monatshefte fuer Chemie, 122(5), 413-18 (English) 1991. CODEN: MOCMB7. ISSN: 0026-9247. OTHER SOURCES: CASREACT 115:71518.

IT **1445-54-1**

RL: RCT (Reactant); RACT (Reactant or reagent)  
(cyclization of, with aminothiophenol)

RN 1445-54-1 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-, ethyl ester (7CI, 8CI, 9CI) (CA INDEX NAME)



L6 ANSWER 19 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1995:9882 Document No. 122:31861 Synthesis of 4-cyano, 4-carboethoxy and 4-carboxy pyridazine amino acid derivatives of expected biological activity. Ibrahim, T. M.; Donia, S. G.; Magdel-Din, A. A. (Fac. Sci., Al-Azhar Univ., Nasr City, Egypt). Al-Azhar Bulletin of Science, 3(2), 423-32 (English) 1992. CODEN: ABSCE7. ISSN: 1110-2535.

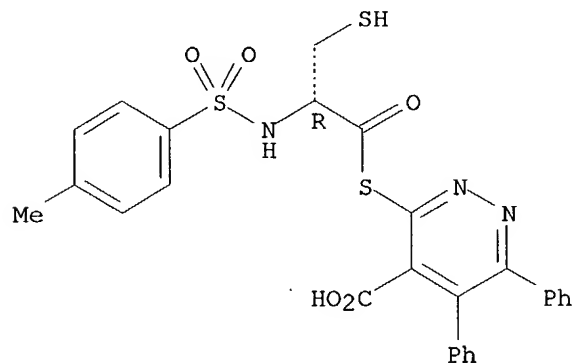
IT **159580-20-8P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation and bactericidal and fungicidal activity of)

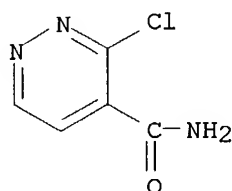
RN 159580-20-8 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-[[[3-mercapto-2-[[[4-methylphenyl)sulfonyl]amino]-1-oxopropyl]thio]-5,6-diphenyl-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

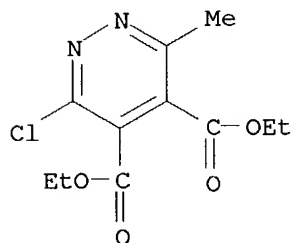


L6 ANSWER 20 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
1992:426497 Document No. 117:26497 Enzymic hydrolysis of heterocyclic nitriles. Klempier, Norbert; De Raadt, Anna; Griengl, Herfried; Heinisch, Gottfried (Inst. Org. Chem., Graz Univ. Technol., Graz, A-8010, Austria). Journal of Heterocyclic Chemistry, 29(1), 93-5 (English) 1992. CODEN: JHTCAD. ISSN: 0022-152X. OTHER SOURCES: CASREACT 117:26497.  
IT **2125-88-4P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 2125-88-4 CAPLUS  
CN 4-Pyridazinecarboxamide, 3-chloro- (7CI, 8CI, 9CI) (CA INDEX NAME)



=> d 21-30 cbib pi fhitr

L6 ANSWER 21 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
1994:77242 Document No. 120:77242 A new two-step procedure for functionalized 3(2H)-pyridazinones through homolytic substitution of 3-chloropyridazines. Dal Piaz, Vittorio; Giovannoni, Maria Paola; Ciciani, Giovanna (Dip. Sci. Farm., Univ. Florence, Florence, I-50121, Italy). Tetrahedron Letters, 34(24), 3903-6 (English) 1993. CODEN: TELEAY. ISSN: 0040-4039. OTHER SOURCES: CASREACT 120:77242.  
IT **152343-20-9P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and hydrolysis of)  
RN 152343-20-9 CAPLUS  
CN 4,5-Pyridazinedicarboxylic acid, 3-chloro-6-methyl-, diethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 22 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
1993:625966 Document No. 119:225966 Preparative and biological activity of aryl substituted nitrogen containing heterocycles. Linz, Guenter; Pieper,

Helmuth; Himmelsbach, Frank; Austel, Volkhard; Mueller, Thomas; Weisenberger, Johannes; Seewaldt-Becker, Elke (Thomae, Dr. Karl, G.m.b.H., Germany). Eur. Pat. Appl. EP 537696 A1 19930421, 47 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE. (German). CODEN: EPXXDW. APPLICATION: EP 1992-117507 19921014. PRIORITY: DE 1991-4134467 19911018.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 537696	A1	19930421	EP 1992-117507	19921014
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
DE 4134467	A1	19930422	DE 1991-4134467	19911018
US 5418233	A	19950523	US 1992-961135	19921014
CA 2080748	AA	19930419	CA 1992-2080748	19921016
NO 9204027	A	19930419	NO 1992-4027	19921016
AU 9227062	A1	19930422	AU 1992-27062	19921016
AU 662930	B2	19950921		
HU 62272	A2	19930428	HU 1992-3264	19921016
JP 05221992	A2	19930831	JP 1992-277578	19921016
ZA 9207994	A	19940418	ZA 1992-7994	19921016
US 5563268	A	19961008	US 1995-375084	19950119

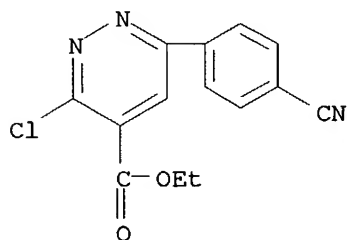
## IT 150594-29-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, in preparation of thromboxane formation inhibitor)

RN 150594-29-9 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-6-(4-cyanophenyl)-, ethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 23 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1993:213015 Document No. 118:213015 Heterocyclic  $\beta$ -enamino esters. 54.

A new, general approach for the synthesis of heteroannulated 3,1-oxazin-4-ones. Wamhoff, Heinrich; Herrmann, Stefan; Stoelben, Stephan; Nieger, Martin (Inst. Org. Chem. Biochem., Univ. Bonn, Bonn, D-5300, Germany). Tetrahedron, 49(3), 581-94 (English) 1993. CODEN: TETRAB. ISSN: 0040-4020. OTHER SOURCES: CASREACT 118:213015.

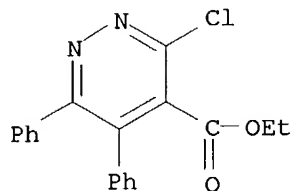
## IT 54108-27-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(sequential azidation and Staudinger reaction with triphenylphosphine)

RN 54108-27-9 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-diphenyl-, ethyl ester (6CI, 9CI) (CA INDEX NAME)



L6 ANSWER 24 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

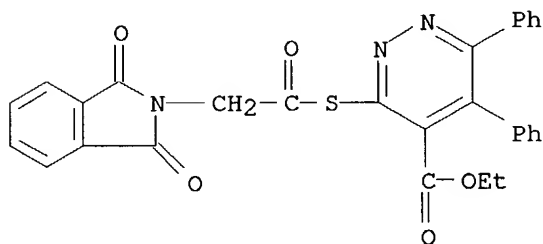
1995:432038 Document No. 123:112646 Synthesis of 4-cyano-, 4-carbethoxy- and 4-carboxy pyridazine amino acid derivatives of expected biological activity. Ibrahim, T. M.; Donia, S. G.; Magdel-Din, A. A. (Faculty Science, Al-Azhar and Benha Universities, Cairo, Egypt). Egyptian Journal of Chemistry, 37(3), 273-81 (English) 1994. CODEN: EGJCA3. ISSN: 0367-0422. Publisher: National Information and Documentation Centre.

IT 159579-98-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent) (preparation and antimicrobial activity of cyano-, carbethoxy-, and carboxypyridazine amino acid esters and thioesters)

RN 159579-98-3 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-[[[1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)acetyl]thio]-5,6-diphenyl-, ethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 25 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

1995:382788 Document No. 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 628550	A2	19941214	EP 1994-201597	19940604
EP 628550	A3	19950118		
EP 628550	B1	19980225		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AT 163412	E	19980315	AT 1994-201597	19940604
ES 2114654	T3	19980601	ES 1994-201597	19940604

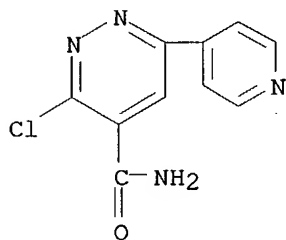


CA 2125359	AA	19941209	CA 1994-2125359	19940607
AU 9464556	A1	19941215	AU 1994-64556	19940607
AU 693786	B2	19980709		
JP 07069894	A2	19950314	JP 1994-125091	19940607
FI 9402693	A	19941209	FI 1994-2693	19940608
NO 9402133	A	19941209	NO 1994-2133	19940608
HU 67413	A2	19950428	HU 1994-1714	19940608
US 6121266	A	20000919	US 1995-444984	19950519
US 6624166	B1	20030923	US 1996-625680	19960403

IT **103556-15-6P**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors)

RN 103556-15-6 CAPLUS

CN 4-Pyridazinecarboxamide, 3-chloro-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

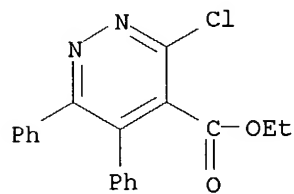


L6 ANSWER 26 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1997:27720 Document No. 126:144238 Synthesis and reactivity of some pyridazine derivatives. Kamal El-Dean, A. M.; Radwan, Sh. M.; Abdel Moneam, M. I. (Fac. Sci., Assiut Univ., Assiut, 71516, Egypt). Afinidad, 53(466), 387-391 (English) 1996. CODEN: AFINAE. ISSN: 0001-9704. Publisher: Asociacion de Quimicos del Instituto Quimico de Sarria.

IT **54108-27-9P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of pyridazine derivs.)

RN 54108-27-9 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-diphenyl-, ethyl ester (6CI, 9CI) (CA INDEX NAME)



L6 ANSWER 27 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
 1997:558055 Document No. 127:262667 Preparation of pyrazolo[1,5-a]pyridine

derivatives as adenosine antagonists and their pharmaceutical uses.  
 Kuroda, Satoshi; Itani, Hiromichi; Akabane, Atsushi (Fujisawa  
 Pharmaceutical Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 09216883 A2  
 19970819 Heisei, 17 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP  
 1996-24146 19960209.

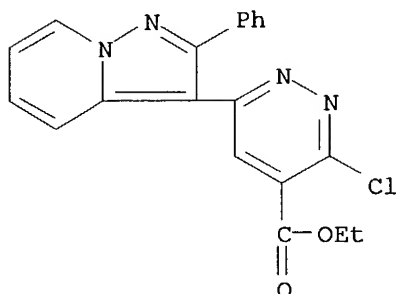
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09216883	A2	19970819	JP 1996-24146	19960209

IT **195827-20-4P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of pyrazolo[1,5-a]pyridine derivs. as adenosine antagonists and their pharmaceutical uses)

RN 195827-20-4 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-6-(2-phenylpyrazolo[1,5-a]pyridin-3-yl)-, ethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 28 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

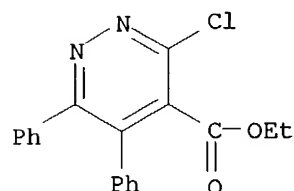
1997:433272 Document No. 127:121687 Pyridazine derivatives. Synthesis and reactions of some new indeno[1,2-d]pyridazine derivatives. Radwan, S. M.; El-Dean, A. M. Kamal (Faculty Science, Assiut University, Assiut, 71516, Egypt). Pharmazie, 52(6), 483-485 (English) 1997. CODEN: PHARAT. ISSN: 0031-7144. OTHER SOURCES: CASREACT 127:121687. Publisher: Govi-Verlag Pharmazeutischer Verlag.

IT **54108-27-9**

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of indenopyridazines)

RN 54108-27-9 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-diphenyl-, ethyl ester (6CI, 9CI) (CA INDEX NAME)



L6 ANSWER 29 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

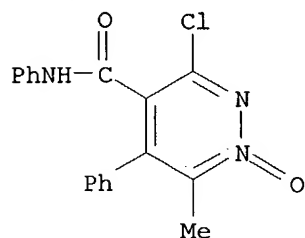
1997:407617 Document No. 127:121686 Pyridazine N-oxides. II. Synthesis and in vitro antimicrobial evaluation of 3-chloro-4-carbamoyl-5-aryl-6-methylpyridazine N-oxides. Gavini, Elisabetta; Juliano, Claudia; Mule, Antonio; Pirisino, Gerolamo; Pinna, Gerard A. (Dip. Scienze Farmaco, Muroni, Sassari, 07100, Italy). Farmaco, 52(1), 67-69 (English) 1997. CODEN: FRMCE8. ISSN: 0014-827X. Publisher: Societa Chimica Italiana.

IT 192634-55-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation and antimicrobial evaluation of)

RN 192634-55-2 CAPLUS

CN 4-Pyridazinecarboxamide, 3-chloro-6-methyl-N,5-diphenyl-, 1-oxide (9CI)  
(CA INDEX NAME)



L6 ANSWER 30 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN

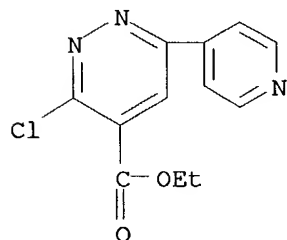
1997:330887 Document No. 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

IT 161228-78-0

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(preparation of (aryl)chloropyridazinecarboxamides as interleukin 1 $\beta$ -converting enzyme inhibitors)

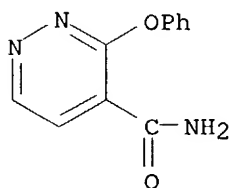
RN 161228-78-0 CAPLUS

CN 4-Pyridazinecarboxylic acid, 3-chloro-6-(4-pyridinyl)-, ethyl ester (9CI)  
(CA INDEX NAME)

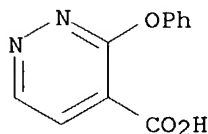


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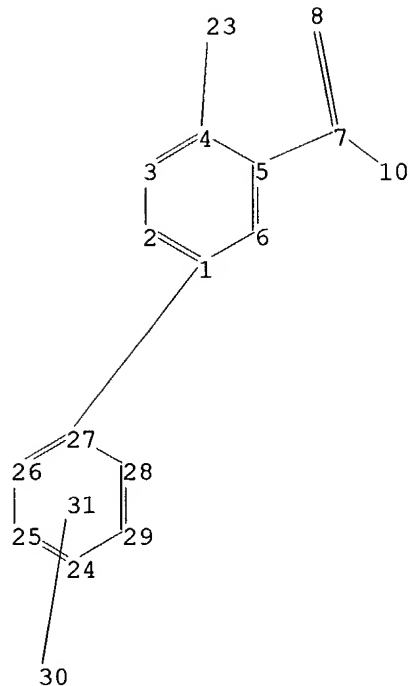
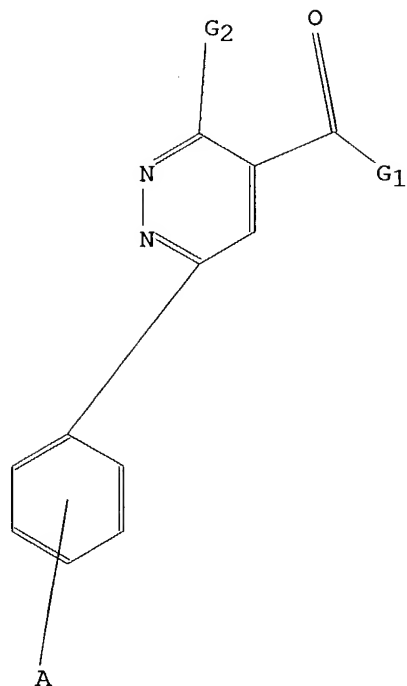
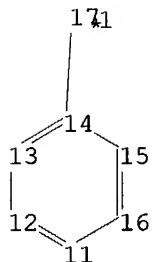
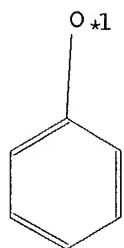
L6 ANSWER 11 OF 41 CAPLUS COPYRIGHT 2004 ACS on STN  
1988:75327 Document No. 108:75327 Pyridazine chemistry. XXXIV. Synthesis  
of novel diaza analogs of acridone, xanthone and thioxanthone from  
3,4-disubstituted pyridazines. Heinisch, Gottfried; Lassnigg, Doris  
(Inst. Pharm. Chem., Univ. Wien, Vienna, A-1090, Austria). Archiv der  
Pharmazie (Weinheim, Germany), 320(12), 1222-6 (German) 1987. CODEN:  
ARPMAS. ISSN: 0365-6233. OTHER SOURCES: CASREACT 108:75327.  
IT **112584-71-1P 112584-72-2P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 112584-71-1 CAPLUS  
CN 4-Pyridazinecarboxamide, 3-phenoxy- (9CI) (CA INDEX NAME)



RN 112584-72-2 CAPLUS  
CN 4-Pyridazinecarboxylic acid, 3-phenoxy- (9CI) (CA INDEX NAME)



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Uploading C:\Program Files\Stnexp\Queries\10668475.str



chain nodes :  
7 8 10 17 18 19 23 30  
ring nodes :  
1 2 3 4 5 6 11 12 13 14 15 16 24 25 26 27 28 29  
chain bonds :  
1-27 4-23 5-7 7-8 7-10 14-17 18-19  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16 24-25  
24-29 25-26 26-27 27-28 28-29  
exact/norm bonds :  
4-23 7-8 7-10 14-17 18-19  
exact bonds :  
1-27 5-7  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16 24-25  
24-29 25-26 26-27 27-28 28-29

G1:O,N

G2:X,S,P,[\*1],[\*2]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:Atom  
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS  
23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:CLASS 31:CLASS

L7 STRUCTURE UPLOADED

=> file reg

FILE 'REGISTRY' ENTERED AT 13:12:09 ON 27 FEB 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 25 FEB 2004 HIGHEST RN 654632-96-9  
DICTIONARY FILE UPDATES: 25 FEB 2004 HIGHEST RN 654632-96-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s 17 subset = 13

ENTER SUBSET SEARCH SCOPE - SAMPLE, FULL, RANGE, OR (END):sample  
SAMPLE SUBSET SEARCH INITIATED 13:12:26 FILE 'REGISTRY'  
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100.0% PROCESSED 2 ITERATIONS 1 ANSWERS  
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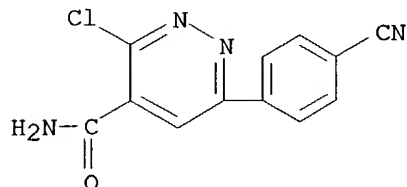
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PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 1 TO 80

L8 1 SEA SUB=L3 SSS SAM L7

=> d scan

L8 1 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN 4-Pyridazinecarboxamide, 3-chloro-6-(4-cyanophenyl)- (9CI)  
MF C12 H7 Cl N4 O



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

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FULL SUBSET SCREEN SEARCH COMPLETED - 88 TO ITERATE

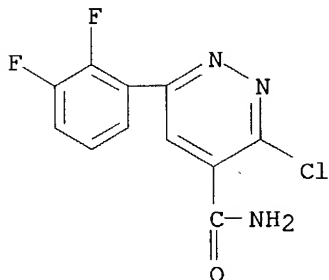
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23 ANSWERS

L9 23 SEA SUB=L3 SSS FUL L7

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L9 ANSWER 1 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 405224-31-9 REGISTRY  
CN 4-Pyridazinecarboxamide, 3-chloro-6-(2,3-difluorophenyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C11 H6 Cl F2 N3 O  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:292257 Preparation of pyrazolopyridazines for the inhibition of GSK-3. Witherington, Jason; Ward, Robert William (Glaxo Group Limited, UK). PCT Int. Appl. WO 2003080616 A1 20031002, 72 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2003-EP3171 20030320. PRIORITY: GB 2002-6723 20020321.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003080616	A1	20031002	WO 2003-EP3171	20030320
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

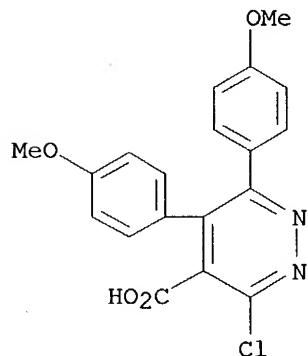
REFERENCE 2: 136:263167 Preparation of pyrazolopyridines and pyrazolopyridazines as antidiabetics. Garland, Stephen; Haigh, David; Hickey, Deirde Mary Bernadette; Liddle, John; Smith, David Glynn; Witherington, Jason; Ward, Robert William (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002024694 A1 20020328, 64 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-GB4186 20010919. PRIORITY: GB 2000-23358 20000922; GB 2000-23361 20000922; GB 2001-7391 20010323; GB 2001-10671 20010501; GB 2001-12799 20010525.

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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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EP 1319001	A1	20030618	EP 2001-967523	20010919



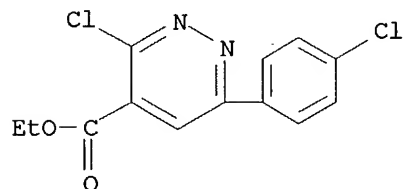
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
US 2004019052 A1 20040129 US 2003-381292 20030814

L9 ANSWER 2 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 343765-74-2 REGISTRY  
CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-bis(4-methoxyphenyl)- (9CI) (CA  
INDEX NAME)  
FS 3D CONCORD  
MF C19 H15 Cl N2 O4  
SR Reaction Database



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 ANSWER 3 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 220287-28-5 REGISTRY  
CN 4-Pyridazinecarboxylic acid, 3-chloro-6-(4-chlorophenyl)-, ethyl ester  
(9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C13 H10 Cl2 N2 O2  
SR CA  
LC STN Files: CA, CAPLUS



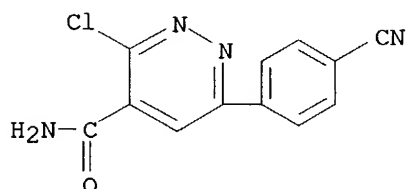
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1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 130:153626 Synthesis and pharmacological screening of

pyrazolo[3,4-c]pyridazine derivatives. Zabska, Ryszarda; Kolodziejczyk, Alicja; Sieklucka-Dziuba, Maria; Morawska, Dorota; Kleinrok, Zdzislaw (Department of Chemistry of Drugs, Wroclaw University of Medicine, Wroclaw, 50-137, Pol.). Acta Poloniae Pharmaceutica, 55(4), 305-310 (English) 1998. CODEN: APPHAX. ISSN: 0001-6837. Publisher: Polish Pharmaceutical Society.

L9 ANSWER 4 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 191411-00-4 REGISTRY  
CN 4-Pyridazinecarboxamide, 3-chloro-6-(4-cyanophenyl)- (9CI) (CA INDEX NAME)  
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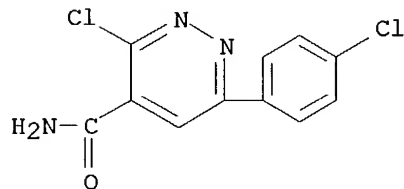


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1 REFERENCES IN FILE CA (1907 TO DATE)  
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REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

L9 ANSWER 5 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 191410-99-8 REGISTRY  
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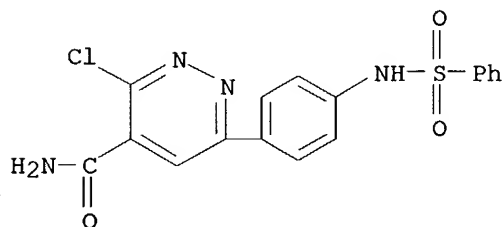


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

L9 ANSWER 6 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 191410-94-3 REGISTRY  
CN 4-Pyridazinecarboxamide, 3-chloro-6-[4-[(phenylsulfonyl)amino]phenyl]-  
(9CI) (CA INDEX NAME)  
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SR CA  
LC STN Files: CA, CAPLUS

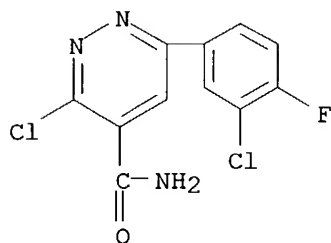


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

L9 ANSWER 7 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 161228-97-3 REGISTRY  
CN 4-Pyridazinecarboxamide, 3-chloro-6-(3-chloro-4-fluorophenyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C11 H6 Cl2 F N3 O  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

REFERENCE 2: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 628550	A2	19941214	EP 1994-201597	19940604
EP 628550	A3	19950118		
EP 628550	B1	19980225		
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AT 163412	E	19980315	AT 1994-201597	19940604
ES 2114654	T3	19980601	ES 1994-201597	19940604
CA 2125359	AA	19941209	CA 1994-2125359	19940607
AU 9464556	A1	19941215	AU 1994-64556	19940607
AU 693786	B2	19980709		
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HU 67413	A2	19950428	HU 1994-1714	19940608
US 6121266	A	20000919	US 1995-444984	19950519
US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 8 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN

RN 161228-96-2 REGISTRY

CN 4-Pyridazinecarboxamide, N-(2-amino-1-oxo-3-phenylpropyl)-3-chloro-6-(4-chlorophenyl)-, (S)- (9CI) (CA INDEX NAME)

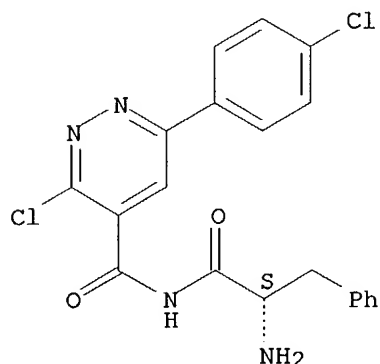
FS STEREOSEARCH

MF C20 H16 Cl2 N4 O2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors.  
 Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English).  
 CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 628550	A2	19941214	EP 1994-201597	19940604
	EP 628550	A3	19950118		
	EP 628550	B1	19980225		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
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	CA 2125359	AA	19941209	CA 1994-2125359	19940607
	AU 9464556	A1	19941215	AU 1994-64556	19940607
	AU 693786	B2	19980709		
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	FI 9402693	A	19941209	FI 1994-2693	19940608
	NO 9402133	A	19941209	NO 1994-2133	19940608
	HU 67413	A2	19950428	HU 1994-1714	19940608
	US 6121266	A	20000919	US 1995-444984	19950519
	US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 9 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN

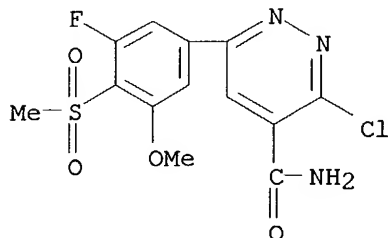
RN 161228-95-1 REGISTRY

CN 4-Pyridazinecarboxamide, 3-chloro-6-[3-fluoro-5-methoxy-4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C13 H11 Cl F N3 O4 S

SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



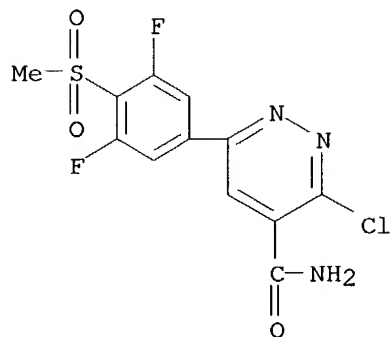
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 628550	A2	19941214	EP 1994-201597	19940604
	EP 628550	A3	19950118		
	EP 628550	B1	19980225		
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	ES 2114654	T3	19980601	ES 1994-201597	19940604
	CA 2125359	AA	19941209	CA 1994-2125359	19940607
	AU 9464556	A1	19941215	AU 1994-64556	19940607
	AU 693786	B2	19980709		
	JP 07069894	A2	19950314	JP 1994-125091	19940607
	FI 9402693	A	19941209	FI 1994-2693	19940608
	NO 9402133	A	19941209	NO 1994-2133	19940608
	HU 67413	A2	19950428	HU 1994-1714	19940608
	US 6121266	A	20000919	US 1995-444984	19950519
	US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 10 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 161228-94-0 REGISTRY  
 CN 4-Pyridazinecarboxamide, 3-chloro-6-[3,5-difluoro-4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C12 H8 Cl F2 N3 O3 S  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

REFERENCE 2: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

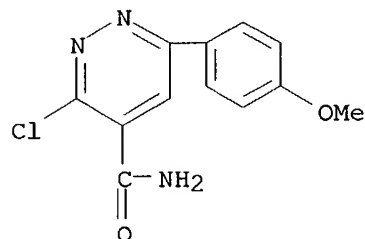
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 628550	B1	19980225		
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AU 9464556	A1	19941215	AU 1994-64556	19940607
AU 693786	B2	19980709		
JP 07069894	A2	19950314	JP 1994-125091	19940607
FI 9402693	A	19941209	FI 1994-2693	19940608
NO 9402133	A	19941209	NO 1994-2133	19940608
HU 67413	A2	19950428	HU 1994-1714	19940608
US 6121266	A	20000919	US 1995-444984	19950519
US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 11 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN

RN 161228-93-9 REGISTRY

CN 4-Pyridazinecarboxamide, 3-chloro-6-(4-methoxyphenyl)- (9CI) (CA INDEX

NAME)  
 FS 3D CONCORD  
 MF C12 H10 Cl N3 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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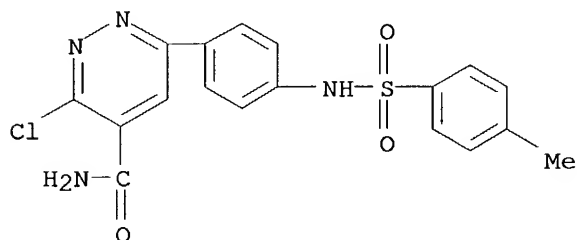
REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

REFERENCE 2: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 628550	A2	19941214	EP 1994-201597	19940604
EP 628550	A3	19950118		
EP 628550	B1	19980225		
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FI 9402693	A	19941209	FI 1994-2693	19940608
NO 9402133	A	19941209	NO 1994-2133	19940608
HU 67413	A2	19950428	HU 1994-1714	19940608
US 6121266	A	20000919	US 1995-444984	19950519
US 6624166	B1	20030923	US 1996-625680	19960403



L9 ANSWER 12 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 161228-91-7 REGISTRY  
 CN 4-Pyridazinecarboxamide, 3-chloro-6-[4-[[ (4-methylphenyl) sulfonyl] amino]phenyl]- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C18 H15 Cl N4 O3 S  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

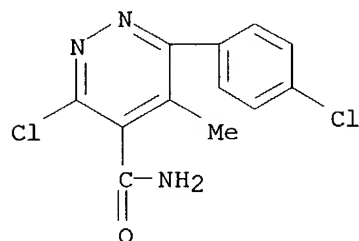
1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors.  
 Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

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PI EP 628550	A2	19941214	EP 1994-201597	19940604
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EP 628550	B1	19980225		
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US 6121266	A	20000919	US 1995-444984	19950519
US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 13 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 161228-87-1 REGISTRY  
 CN 4-Pyridazinecarboxamide, 3-chloro-6-(4-chlorophenyl)-5-methyl- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD

MF C12 H9 Cl2 N3 O  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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2 REFERENCES IN FILE CA (1907 TO DATE)  
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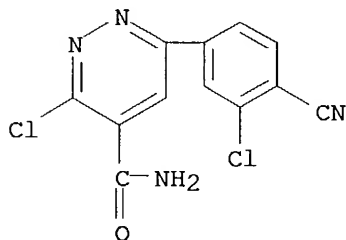
REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

REFERENCE 2: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 628550	A2	19941214	EP 1994-201597	19940604
	EP 628550	A3	19950118		
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	US 6121266	A	20000919	US 1995-444984	19950519
	US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 14 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 161228-85-9 REGISTRY

CN 4-Pyridazinecarboxamide, 3-chloro-6-(3-chloro-4-cyanophenyl)- (9CI) (CA  
 INDEX NAME)  
 FS 3D CONCORD  
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 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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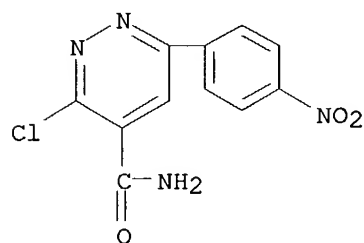
2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

REFERENCE 2: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

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PI	EP 628550	A2	19941214	EP 1994-201597	19940604
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	US 6121266	A	20000919	US 1995-444984	19950519
	US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 15 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 161228-84-8 REGISTRY  
 CN 4-Pyridazinecarboxamide, 3-chloro-6-(4-nitrophenyl)- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C11 H7 Cl N4 O3  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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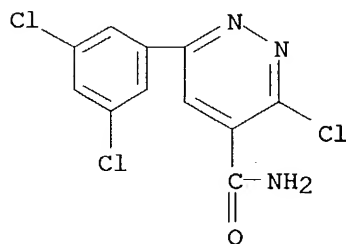
REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

REFERENCE 2: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

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US 6121266	A	20000919	US 1995-444984	19950519
US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 16 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 161228-82-6 REGISTRY  
 CN 4-Pyridazinecarboxamide, 3-chloro-6-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
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 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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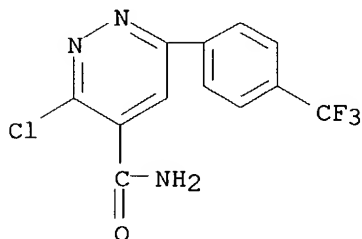
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REFERENCE 1: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors.  
 Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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AT 163412	E	19980315	AT 1994-201597	19940604
ES 2114654	T3	19980601	ES 1994-201597	19940604
CA 2125359	AA	19941209	CA 1994-2125359	19940607
AU 9464556	A1	19941215	AU 1994-64556	19940607
AU 693786	B2	19980709		
JP 07069894	A2	19950314	JP 1994-125091	19940607
FI 9402693	A	19941209	FI 1994-2693	19940608
NO 9402133	A	19941209	NO 1994-2133	19940608
HU 67413	A2	19950428	HU 1994-1714	19940608
US 6121266	A	20000919	US 1995-444984	19950519
US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 17 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN

RN 161228-81-5 REGISTRY  
 CN 4-Pyridazinecarboxamide, 3-chloro-6-[4-(trifluoromethyl)phenyl]- (9CI)  
 (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C12 H7 Cl F3 N3 O  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

REFERENCE 2: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 628550	A2	19941214	EP 1994-201597	19940604
	EP 628550	A3	19950118		
	EP 628550	B1	19980225		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	AT 163412	E	19980315	AT 1994-201597	19940604
	ES 2114654	T3	19980601	ES 1994-201597	19940604
	CA 2125359	AA	19941209	CA 1994-2125359	19940607
	AU 9464556	A1	19941215	AU 1994-64556	19940607
	AU 693786	B2	19980709		
	JP 07069894	A2	19950314	JP 1994-125091	19940607
	FI 9402693	A	19941209	FI 1994-2693	19940608
	NO 9402133	A	19941209	NO 1994-2133	19940608
	HU 67413	A2	19950428	HU 1994-1714	19940608
	US 6121266	A	20000919	US 1995-444984	19950519

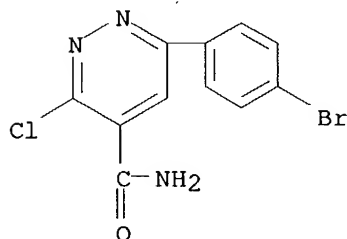
US 6624166

B1 20030923

US 1996-625680

19960403

L9 ANSWER 18 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 161228-80-4 REGISTRY  
 CN 4-Pyridazinecarboxamide, 6-(4-bromophenyl)-3-chloro- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C11 H7 Br Cl N3 O  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 127:65731 3-Chloro-4-carboxamido-6-arylpyridazines as a non-peptide class of interleukin-1 $\beta$  converting enzyme inhibitor. Dolle, Roland E.; Hoyer, Denton; Rinker, James M.; Ross, Tina Morgan; Schmidt, Stanley J.; Helaszek, Carla; Ator, Mark A. (Sanofi Winthrop Inc., Malvern, PA, 19426, USA). Bioorganic & Medicinal Chemistry Letters, 7(8), 1003-1006 (English) 1997. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

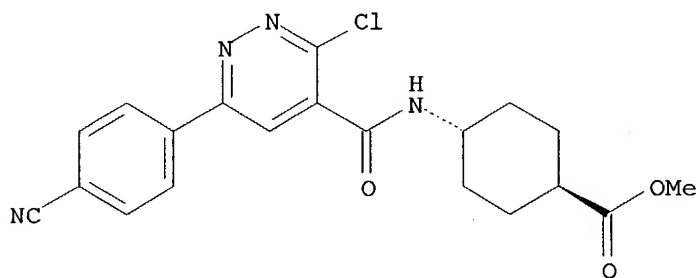
REFERENCE 2: 122:160663 Preparation of 6-(hetero)aryl-3-chloropyridazine-4-carboxamides and analogs as interleukin-1 $\beta$  protease inhibitors. Dolle, Roland E.; Hoyer, Denton W.; Schmidt, Stanley J.; Ross, Tina M.; Rinker, James M.; Ator, Mark A. (Sterling Winthrop Inc., USA). Eur. Pat. Appl. EP 628550 A2 19941214, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1994-201597 19940604. PRIORITY: US 1993-73914 19930608.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 628550	A2	19941214	EP 1994-201597	19940604
EP 628550	A3	19950118		
EP 628550	B1	19980225		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AT 163412	E	19980315	AT 1994-201597	19940604
ES 2114654	T3	19980601	ES 1994-201597	19940604
CA 2125359	AA	19941209	CA 1994-2125359	19940607
AU 9464556	A1	19941215	AU 1994-64556	19940607
AU 693786	B2	19980709		
JP 07069894	A2	19950314	JP 1994-125091	19940607
FI 9402693	A	19941209	FI 1994-2693	19940608

NO 9402133	A	19941209	NO 1994-2133	19940608
HU 67413	A2	19950428	HU 1994-1714	19940608
US 6121266	A	20000919	US 1995-444984	19950519
US 6624166	B1	20030923	US 1996-625680	19960403

L9 ANSWER 19 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 150594-44-8 REGISTRY  
 CN Cyclohexanecarboxylic acid, 4-[[[3-chloro-6-(4-cyanophenyl)-4-pyridazinyl]carbonyl]amino]-, methyl ester, trans- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C20 H19 Cl N4 O3  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

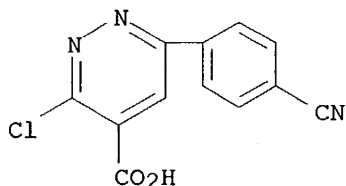
REFERENCE 1: 119:225966 Preparative and biological activity of aryl substituted nitrogen containing heterocycles. Linz, Guenter; Pieper, Helmut; Himmelsbach, Frank; Austel, Volkhard; Mueller, Thomas; Weisenberger, Johannes; Seewaldt-Becker, Elke (Thomae, Dr. Karl, G.m.b.H., Germany). Eur. Pat. Appl. EP 537696 A1 19930421, 47 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE. (German). CODEN: EPXXDW. APPLICATION: EP 1992-117507 19921014. PRIORITY: DE 1991-4134467 19911018.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 537696	A1	19930421	EP 1992-117507	19921014
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	DE 4134467	A1	19930422	DE 1991-4134467	19911018
	US 5418233	A	19950523	US 1992-961135	19921014
	CA 2080748	AA	19930419	CA 1992-2080748	19921016
	NO 9204027	A	19930419	NO 1992-4027	19921016
	AU 9227062	A1	19930422	AU 1992-27062	19921016
	AU 662930	B2	19950921		
	HU 62272	A2	19930428	HU 1992-3264	19921016
	JP 05221992	A2	19930831	JP 1992-277578	19921016
	ZA 9207994	A	19940418	ZA 1992-7994	19921016
	US 5563268	A	19961008	US 1995-375084	19950119

L9 ANSWER 20 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN



RN 150594-34-6 REGISTRY  
 CN 4-Pyridazinecarboxylic acid, 3-chloro-6-(4-cyanophenyl)- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C12 H6 Cl N3 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



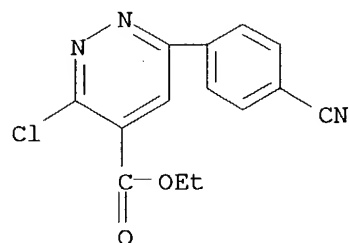
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 119:225966 Preparative and biological activity of aryl substituted nitrogen containing heterocycles. Linz, Guenter; Pieper, Helmut; Himmelsbach, Frank; Austel, Volkhard; Mueller, Thomas; Weisenberger, Johannes; Seewaldt-Becker, Elke (Thomae, Dr. Karl, G.m.b.H., Germany). Eur. Pat. Appl. EP 537696 A1 19930421, 47 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE. (German). CODEN: EPXXDW. APPLICATION: EP 1992-117507 19921014. PRIORITY: DE 1991-4134467 19911018.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 537696	A1	19930421	EP 1992-117507	19921014
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
DE 4134467	A1	19930422	DE 1991-4134467	19911018
US 5418233	A	19950523	US 1992-961135	19921014
CA 2080748	AA	19930419	CA 1992-2080748	19921016
NO 9204027	A	19930419	NO 1992-4027	19921016
AU 9227062	A1	19930422	AU 1992-27062	19921016
AU 662930	B2	19950921		
HU 62272	A2	19930428	HU 1992-3264	19921016
JP 05221992	A2	19930831	JP 1992-277578	19921016
ZA 9207994	A	19940418	ZA 1992-7994	19921016
US 5563268	A	19961008	US 1995-375084	19950119

L9 ANSWER 21 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 150594-29-9 REGISTRY  
 CN 4-Pyridazinecarboxylic acid, 3-chloro-6-(4-cyanophenyl)-, ethyl ester (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C14 H10 Cl N3 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



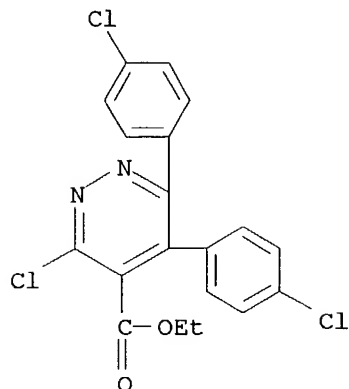
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 119:225966 Preparative and biological activity of aryl substituted nitrogen containing heterocycles. Linz, Guenter; Pieper, Helmut; Himmelsbach, Frank; Austel, Volkhard; Mueller, Thomas; Weisenberger, Johannes; Seewaldt-Becker, Elke (Thomae, Dr. Karl, G.m.b.H., Germany). Eur. Pat. Appl. EP 537696 A1 19930421, 47 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE. (German). CODEN: EPXXDW. APPLICATION: EP 1992-117507 19921014. PRIORITY: DE 1991-4134467 19911018.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 537696	A1	19930421	EP 1992-117507	19921014
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
DE 4134467	A1	19930422	DE 1991-4134467	19911018
US 5418233	A	19950523	US 1992-961135	19921014
CA 2080748	AA	19930419	CA 1992-2080748	19921016
NO 9204027	A	19930419	NO 1992-4027	19921016
AU 9227062	A1	19930422	AU 1992-27062	19921016
AU 662930	B2	19950921		
HU 62272	A2	19930428	HU 1992-3264	19921016
JP 05221992	A2	19930831	JP 1992-277578	19921016
ZA 9207994	A	19940418	ZA 1992-7994	19921016
US 5563268	A	19961008	US 1995-375084	19950119

L9 ANSWER 22 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 101884-08-6 REGISTRY  
CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-bis(p-chlorophenyl)-, ethyl ester (6CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C19 H13 Cl3 N2 O2  
SR CAOLD  
LC STN Files: CA, CAOLD, CAPLUS



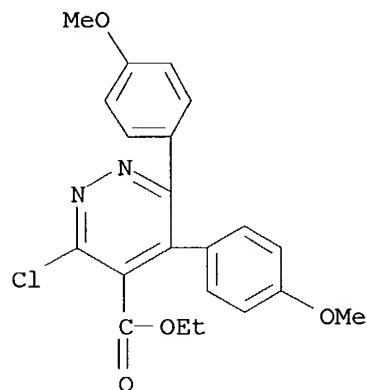
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1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 53:122325 6-Chloropyridazines. (C I B A Ltd.). GB 807548  
 19590114 (Unavailable). APPLICATION: GB .

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 807548		19590114	GB	

L9 ANSWER 23 OF 23 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 70769-18-5 REGISTRY  
 CN 4-Pyridazinecarboxylic acid, 3-chloro-5,6-bis(4-methoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C21 H19 Cl N2 O4  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 118:213015 Heterocyclic  $\beta$ -enamino esters. 54. A new, general approach for the synthesis of heteroannulated 3,1-oxazin-4-ones. Wamhoff, Heinrich; Herrmann, Stefan; Stoelben, Stephan; Nieger, Martin (Inst. Org. Chem. Biochem., Univ. Bonn, Bonn, D-5300, Germany). Tetrahedron, 49(3), 581-94 (English) 1993. CODEN: TETRAB. ISSN: 0040-4020.

REFERENCE 2: 91:56936 Synthesis and pharmacological activity of some 5,6-diphenyl-pyridazines. Nannini, Giuliano; Biasoli, Giovanni; Perrone, Ettore; Forgione, Angelo; Buttinoni, Ada; Ferrari, Mario (Carlo Erba Res. Inst., Milan, 20159, Italy). European Journal of Medicinal Chemistry, 14(1), 53-60 (English) 1979. CODEN: EJMCA5. ISSN: 0009-4374.

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